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# NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

01/29/2002

JOHN E. BECK XEROX CORPORATION **XEROX SQUARE 20A ROCHESTER, NY 14644** 

**EXAMINER** BRINICH, STEPHEN M

ART UNIT CLASS-SUBCLASS

2624 358-001900

DATE MAILED: 01/29/2002

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/217,035	12/21/1998	YEOING ZHANG	D/98718	8842

TITLE OF INVENTION: EDGE COMPACTION IN ANTIALIASED IMAGES

TOTAL CLAIMS	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
20	nonprovisional	NO	\$1280	\$0	\$1280	04/29/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

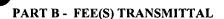
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



Complete and mail this form, together with applicable fee(s), to:

**Box ISSUE FEE** 

**Assistant Commissioner for Patents** 

Washington, D.C. 20231

MAILING INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed

where appropriate. All fu indicated unless correcte maintenance fee notificat	ed below or directed of	herwise	the Patent, advance in Block 1, by (a)	specifying a new corr	n of maintenance fees respondence address;	and/or (b) indicating a sepa	l correspondence address as irate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)  7590 01/29/2002  JOHN E. BECK					Note: The certificate of mailing below can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.			
XEROX CORPO XEROX SQUAI ROCHESTER, N	RE 20A				I hereby certify that United States Postal S envelope addressed indicated below.	Certificate of Mailing this Fee(s) Transmittal is Service with sufficient postage to the Box Issue Fee add	being deposited with the ge for first class mail in an dress above on the date	
							(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE	;	F	IRST NAMED INVENTO	OR .	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/217,035	12/21/1998			YEQING ZHANG		D/98718	8842	
TITLE OF INVENTION								
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20	nonprovisional		NO	\$1280	\$0	\$1280	04/29/2002	
EXA	MINER		ART UNIT	CLASS-SUBCLA	ss			
BRINICH,	STEPHEN M		2624	358-001900				
Address form PTO/SE	O form(s) and Customer  ndence address (or Cha.  8/122) attached.  cation (or "Fee Address'	r Numbenge of (	er are recommended	or agents OR, al single firm (havi attorney or agen	n the patent front pate to 3 registered patent ternatively, (2) the ring as a member a t) and the names of attorneys or agents. I will be printed.	t attorneys name of a registered f up to 2		
PLEASE NOTE: Unles	ted to the USPTO or is t	ied belo	ow, no assignee data ibmitted under separ	will annear on the nat	tent. Inclusion of assi of this form is NOT a	gnee data is only appropriat substitute for filing an assig NTRY)	e when an assignment has nment.	
Please check the appropri	iate assignee category o	rcatego	ories (will not be prin	nted on the patent)	□ individual □ c	orporation or other private gr	oup entity    government	
a. The following fee(s) a	are enclosed:		4b. I	Payment of Fee(s):				
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☐ Publication Fee				ayment by credit card.			••	
☐ Advance Order - # o	f Copies		Dep	he Commissioner is he osit Account Number_	reby authorized by ch	arge the required fee(s), or conclose an extra copy of this i	redit any overpayment, to orm).	
The COMMISSIONER Copplication identified abo		ADEM	ARKS is requested t	o apply the Issue Fee a	and Publication Fee (i	f any) or to re-apply any pre	viously paid issue fee to the	
Authorized Signature)			(Date)					
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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary

depending on the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, United States Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND FEES AND THIS FORM TO: Box Issue Fee, Assistant Commissioner for Patents, Washington, D.C. 20231

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09/217,035	12/21/1998	YEQING ZHANG	D/98718	8842		
7590 01/29/2002			EXAMINER			
JOHN E. BECK			BRINICH, STEPHEN M			
XEROX CORPORATION XEROX SQUARE 20A			ART UNIT	PAPER NUMBER		
ROCHESTER, NY 14644			2624			
			DATE MAILED: 01/29/2002			

# Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

	Application	No.	Applicant(s)					
	09/217,035		ZHANG ET AL.					
Notice of Allowability	Examiner		Art Unit					
	Stephen M F	Brinich	2624					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included nerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. A This communication is responsive to Amdt A filed 15 December 2001. 2. The allowed claim(s) is/are 2-21. 3. The drawings filed on 21 December 1998 are accepted by the Examiner. 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some* c) None of the:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No								
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  5. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  (a) The translation of the foreign language provisional application has been received.  6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.								
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  7.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.								
8. CORRECTED DRAWINGS must be submitted.  (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) hereto or 2) to Paper No  (b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner.  (c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.  9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.								
Attachment(s)  1☐ Notice of References Cited (PTO-892)  3☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  5☐ Information Disclosure Statements (PTO-1449), Paper No  7☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material		2☐ Notice of Informa 4☐ Interview Summa 6☐ Examiner's Amer 8☑ Examiner's States 9☐ Other	ary (PTO-413), Paper ndment/Comment	No				

Application/Control Number: 09/217,035

Art Unit: 2624

#### DETAILED ACTION

## Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

Re claims 2, 6, & 10 (and dependent claims 3-5, 7, & 11-16), the detection of diffuse edges and selective shifting of gray from pixels not adjacent to saturated pixels to pixels adjacent to saturated pixels is not taught or suggested by the art of record.

Re claims 8 & 19 (and dependent claims 9 & 20), the detection of diffuse edges and selective shifting of gray based on the result of this detection is not taught or suggested by the art of record.

Re claim 17 (and dependent claims 18-21), the detection of diffuse edges and compacting of pixels within the diffuse edge is not taught or suggested by the art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 09/217,035

Art Unit: 2624

### Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. Brinich at 703-305-4390. The examiner can normally be reached on weekdays 7:00-4:30, alternate Fridays off.

If attempts to contact the examiner are unsuccessful, supervisor David Moore can be contacted at 703-308-7452.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center 2600 Customer Service center at 703-306-0377.

Faxes pertaining to this application should be directed to the Tech Center 2600 official fax number, which is 703-872-9314.

Stephen M Brinich Examiner Art Unit 2624

smb, SWB January 22, 2002

THOMAS D.

TOWNSY LEE

PRIMARY EXAMINER